

IN THE CLAIMS:

Please enter the following claims as amended:

Claims 1-15 are cancelled.

16. (new) A gas turbine engine comprising an electrical machine, the electrical machine comprising a rotating part and a fixed part, the rotating part being provided by the rotating blade ring, the rotating blade ring comprising a plurality of blades, each blade having an extremity of magnetically permeable material, the fixed part comprising a casing defining an array of circumferentially spaced slots each slot comprising a stator and each stator comprising excitation coils wherein there is provided an unequal number of blades and stators, and the coils are arranged into at least two phases for excitation and each coil extends from a slot of the corresponding phase, past a slot of the other phase, to a further slot of the same corresponding phase in order to complete a loop; the blades and the stators are arranged to alternate into and out of phase on rotation of the rotating part.

17. (new) An engine comprising as claimed in claim 16 wherein the coils are arranged into three phases for excitation.

18. (new) An engine according to claim 16, wherein the extremity is located beyond those parts of the blades which provide the aerodynamic function of the blades.

19. (new) An engine according to claim 16, wherein the rotating part is provided at the radially outward extremity of the blades.

20. (new) An engine according to claim 1, wherein the blades are shrouded, the shrouding separating those parts of the blades which provide the aerodynamic function, from those parts which provide the rotating part of the electrical machine.

21. (new) An engine according to claim 20, wherein the blades are shrouded at the radially outer end of those parts which provide the aerodynamic function, and in that the electrical machine is provided substantially wholly outside the shrouded region.

- 22. (new) An engine according to claim 16 wherein the blades are unshrouded.
- 23. (new) An engine according to claim 16, wherein the blades are unshrouded and have parts which provide the aerodynamic function of the blades, the aerodynamic parts further providing a part of the electrical machine.
- 24. (new) An engine according to claim 16 wherein the fixed part of the machine comprise coils.
- 25. (new) An engine according to claim 16 wherein the rotating part of the machine comprises any one of a group comprising magnetically permeable material or permanently magnetized material.
- 26. (new) An engine according to claim 16 wherein the parts of the machine operate to form any one of a group comprising a permanent magnet machine, a transverse flux machine or a switched reluctance machine.
- 27. (new) An engine according to claim 16 wherein the blades form any one of a group comprising a compressor or turbine of the engine.
- 28. (new) An engine according to claim 16 wherein the engine is a multi-shaft engine.
- 29. (new) An engine according to claim 16 wherein the fixed part of the machine provides at least part of the containment system for the blades.